

Fig. 1

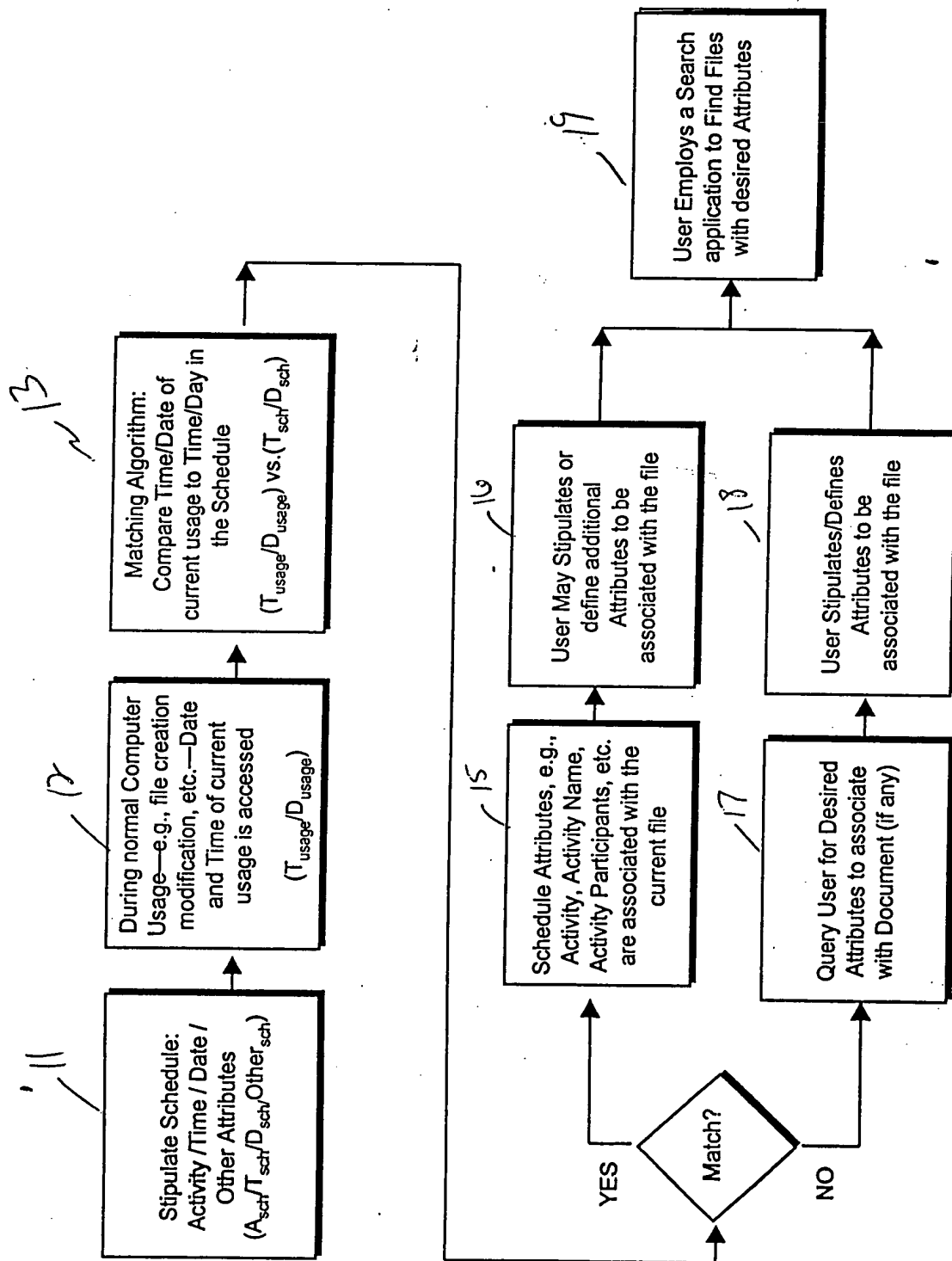


Fig. 2

TOOET" 4852200T

SCHEDULE BUILDER				X
COURSE NUMBER				
CLASS NAME				
PROFESSOR				
LECTURE				
Lecture				
DAY	TIME	BUILDING	ROOM	
Recitation				
DAY	TIME	BUILDING	ROOM	
Lab				
DAY	TIME	BUILDING	ROOM	
SET AND ENTER NEXT CLASS				
FINISH				
CANCEL				

22 23

25

TOOFT"4852200T

Fig. 3

31

ACTIVITY A _{sch}	DAY(S) D _{sch}	TIME(S): T _{sch}		OTHER SCHEDULE ATTRIBUTES				
		Start-Time: T _{sch1}	End-Time: T _{sch2}	PROFESSOR NAME	COURSE NUMBER	BUILDING NAME	ROOM NUMBER	ETC.
Physics	Monday	10:30	12:30	Dr. Higgins	6.012	Boss Hall	252	
	Wednesday	10:30	12:30	Dr. Higgins	6.012	Boss Hall	252	
	Friday	10:30	12:30	Dr. Higgins	6.012	Boss Hall	252	
Spanish	Tuesday	9:30	11:30	Dr. Mendez	22.021	Angelica Hall	131	
	Thursday	9:30	11:30	Dr. Mendez	22.021	Angelica Hall	131	
Etc.								

Fig. 4

Schedule for Steven Rogers:

ACTIVITY A_{sch}	DATE D_{sch}	TIME(S): T_{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T_{sch1}	End-Time: T_{sch2}	MEETING BUILDING	MEETING CITY	PARTICIPANTS
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Westin Hotel	Pittsburgh	Steven Rogers, Jack Welsh
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	GE Building	New York	Steven Rogers, John Devers, Diane Chang
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	Royalton Hotel	New York	Steven Rogers, Anne Miller

TODOT"4852200T

Fig. 5

During normal computer use, as documents are created/transferred/accessed/modified, etc., the time and date of usage is referenced.

E.g., A new document is being saved:

Acquisition Meeting Notes

- Target Acquisition Price: \$15.4 Billion
- Terms: Full Stock transaction
- Penalty: \$100 Million payment for failure to consummate deal
- Etc.

Relevant information about the current usage is accessed from the operating system / internal clock. This data retrieval could be triggered by opening a file, closing a file, saving a file, etc.



"File_Name.doc"

Date: Sept 11, 2000

Day: Monday

Time: 9:30

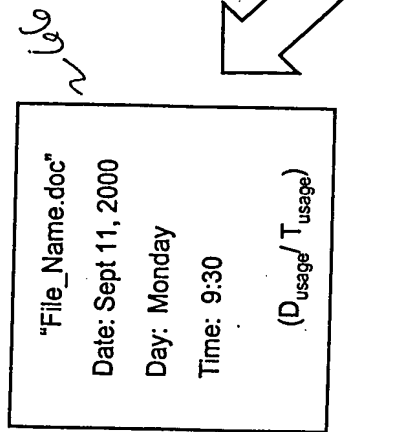
(D_{usage} / T_{usage})

N. 52

T00E0T"4B52200T

Fig. 6

The time/date information of the new document is then queried against the time/date data stipulated in the schedule with a matching algorithm:



Matching Algorithm to compare:

(D_{usage}/T_{usage}) and (D_{sch}/T_{sch})

ACTIVITY A_{sch}	DATE D_{sch}	TIME(S): T_{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T_{sch1}	End-Time: T_{sch2}	LOCATION	PARTICIPANTS	ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Jack Welsh	
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	New York	John Devers	
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	New York	Anne Miller	

627 623 Schedule 624

Fig. 7

If the query returns a positive match, attributes from the schedule will be automatically associated to the file and stored in a searchable database:

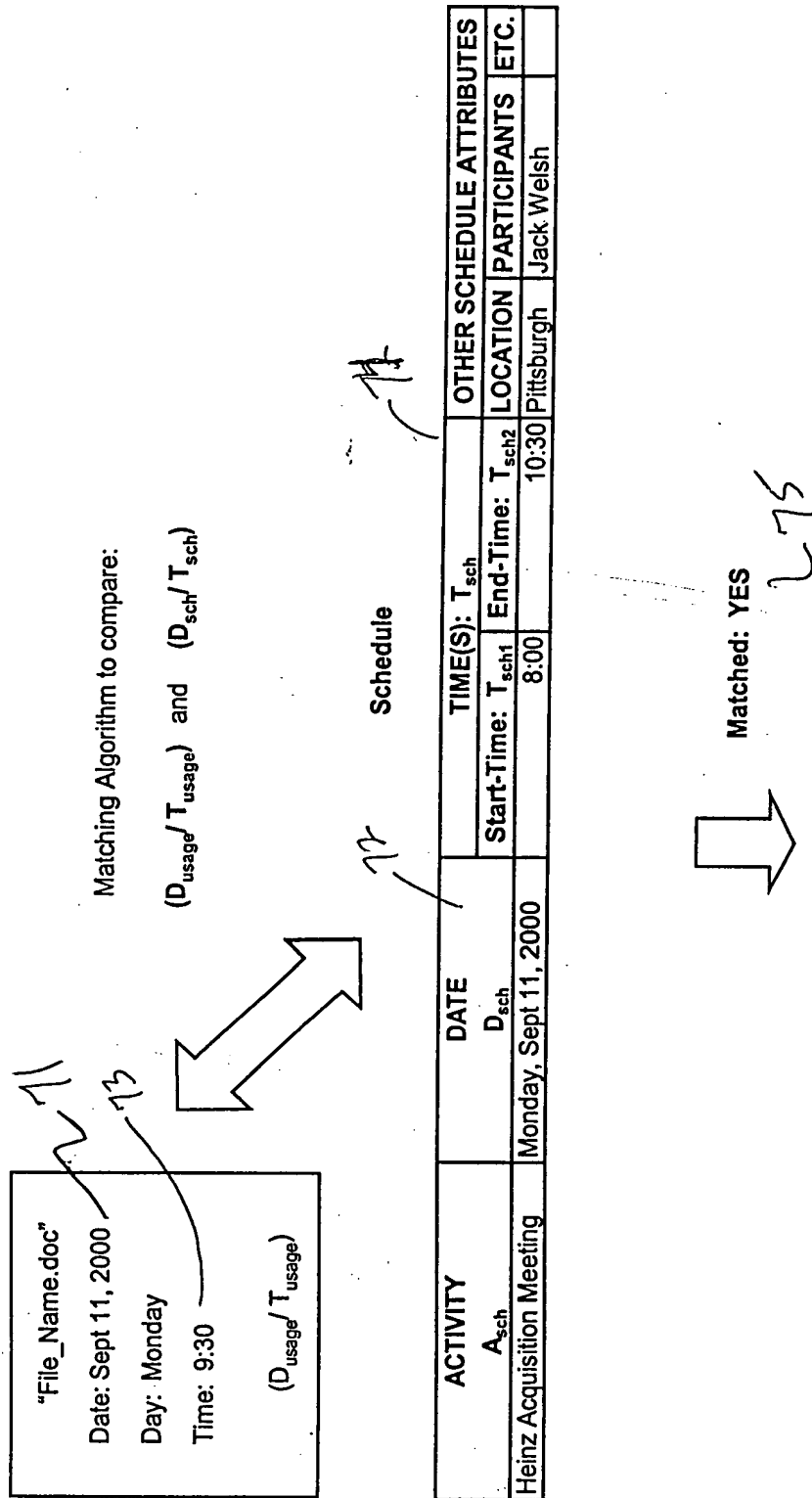


Fig. 8

Attribute are associated with files, for example in an "Attribute Database"

Attribute Database

New attributes associated with the file:

FILE NAME	DATE CREATED	TIME CREATED	ACTIVITY NAME	LOCATION	PARTICIPANTS	ETC.
File_Name.doc	Monday, Sept 11, 2000	9:30	Heinz Acquisition M	Pittsburgh	Jack Welsh	

TOO EOT" 4852200T

Fig. 9

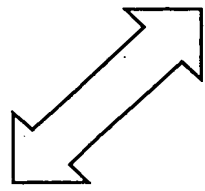
If the query returns a negative match, the user is prompted for any attributes he/she would like to associate with the file:

~11

"File_Name.doc"
Date: Sept 11, 2000
Day: Monday
Time: 11:30
(D_{usage}/T_{usage})

Matching Algorithm to compare:

(D_{usage}/T_{usage}) and (D_{sch}/T_{sch})



Schedule

92

ACTIVITY A _{sch}	DATE D _{sch}	TIME(S): T _{sch}			OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T _{sch1}	End-Time: T _{sch2}		LOCATION	PARTICIPANTS	ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30		Pittsburgh	Jack Welsh	
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30		New York	John Devers	
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00		New York	Anne Miller	



Matched: NO

93

"Would you like to associate any attributes to "File_Name.doc?"



NO: [no action]

Yes: "Please define attribute field and name", e.g.

Field: "Subject" Name: "Discussion Follow-up"

~94

Fig. 10

Files are then searchable by attributes, as well as time/date information:

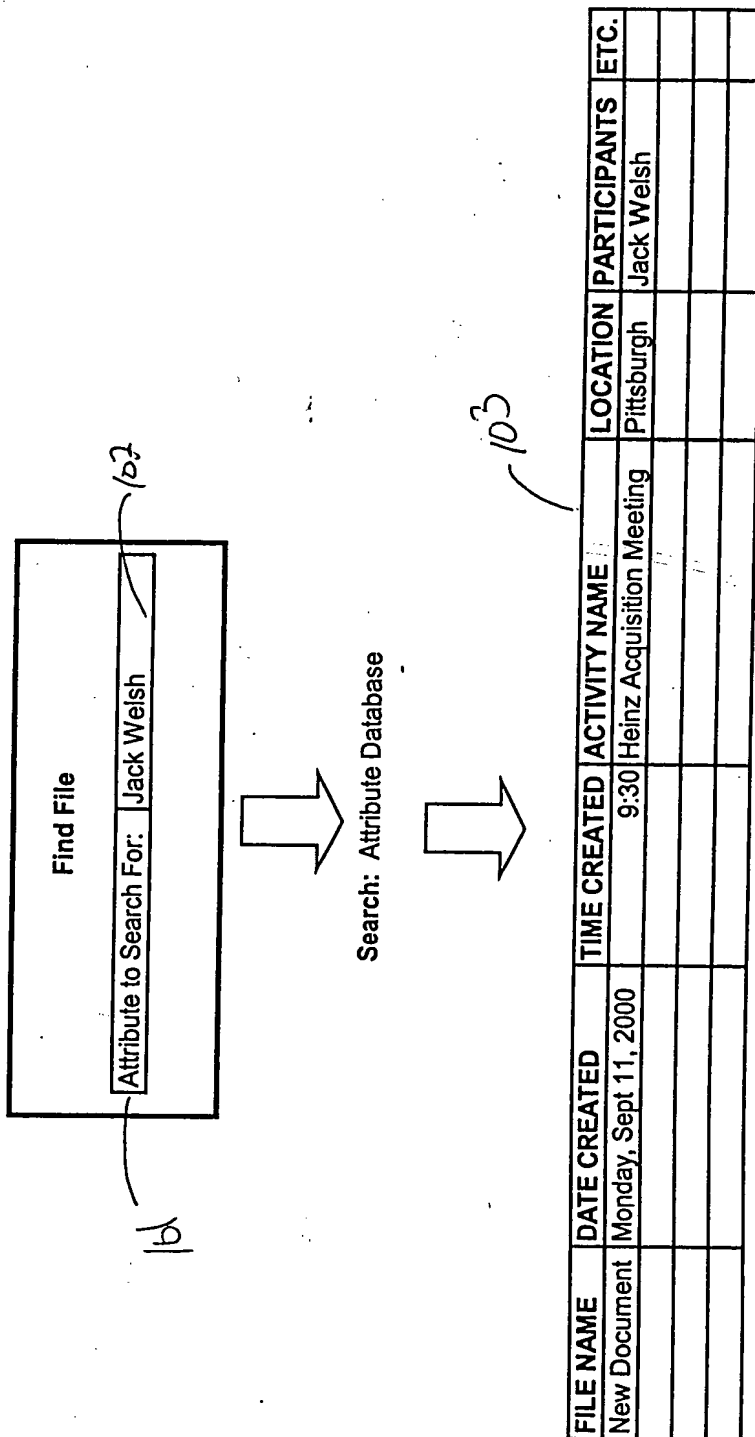


Fig. 11

FIG. 11

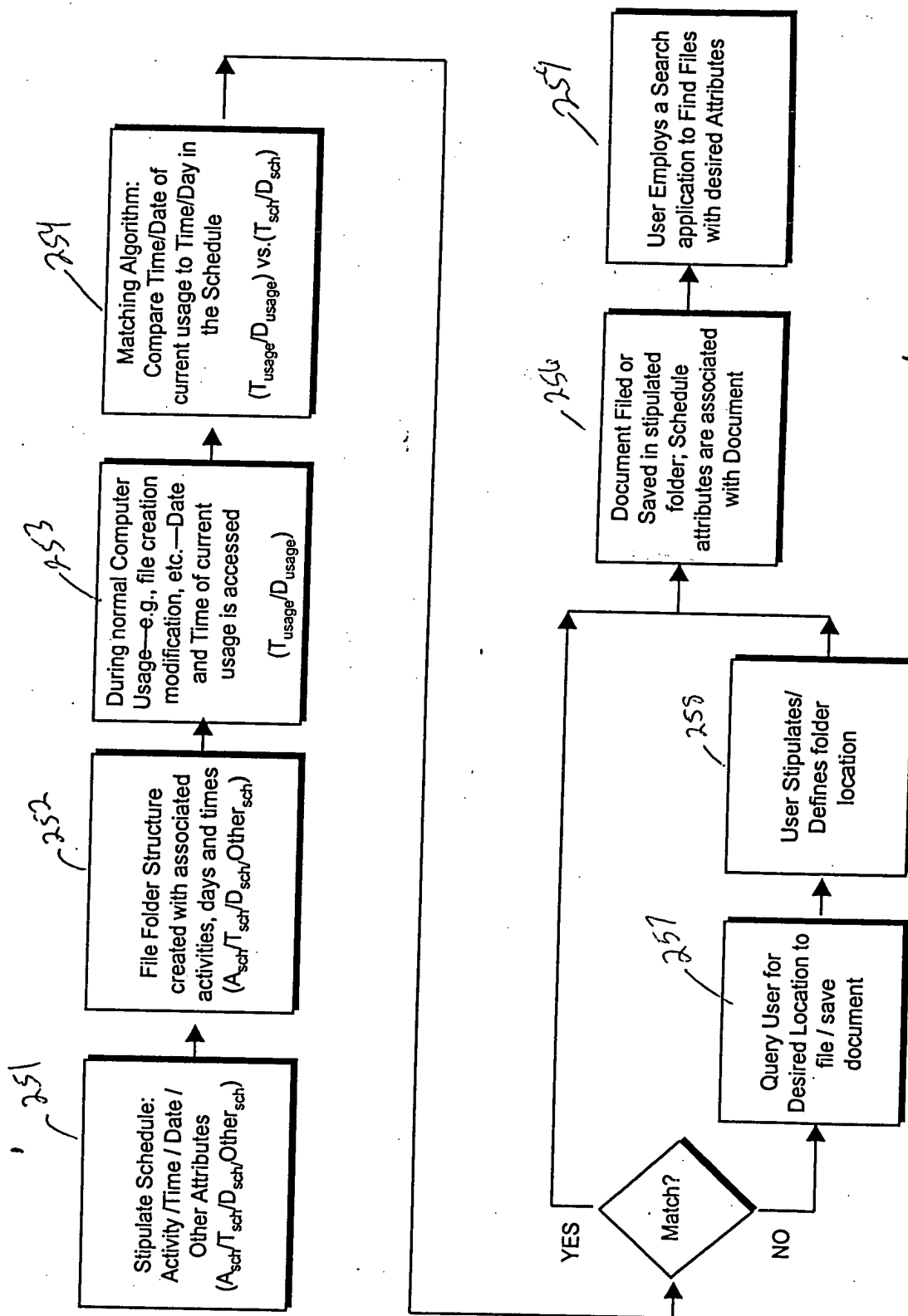


Fig. 12

TOOET" 4852200F

Generated Folder Structure

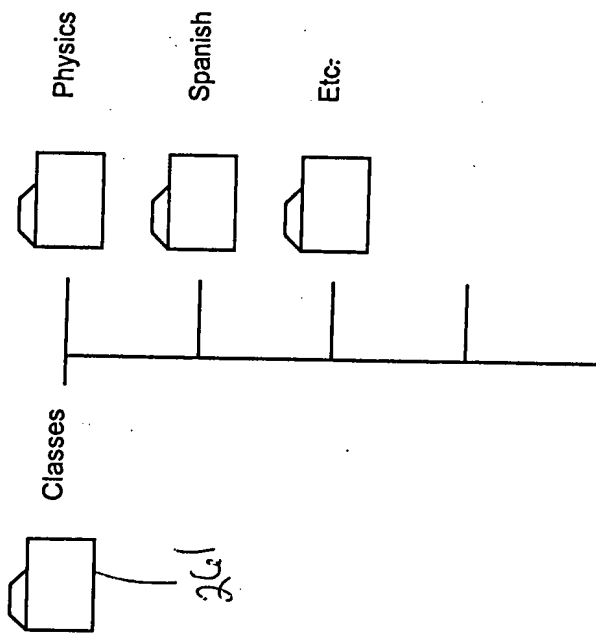
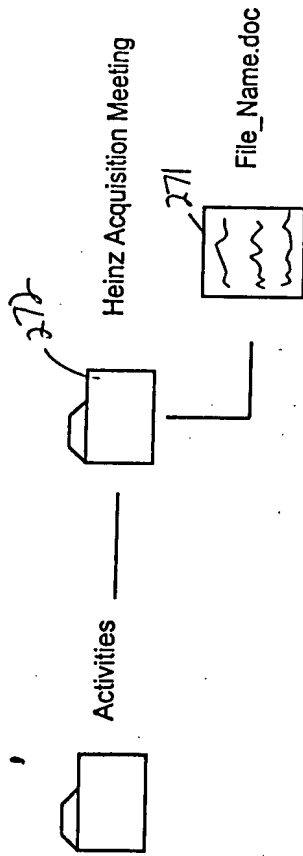


FIG- 13



New attributes associated with the file:

FILE NAME	DATE CREATED	TIME CREATED	ACTIVITY NAME	LOCATION	PARTICIPANTS	ETC.
File_Name.doc	Monday, Sept 11, 2000	9:30	Heinz Acquisition M	Pittsburgh	Jack Welsh	

Fig. 14

If the query returns a negative match, the user is prompted for any attributes he/she would like to associate with the file:

"File_Name.doc"

Date: Sept 11, 2000

Day: Monday

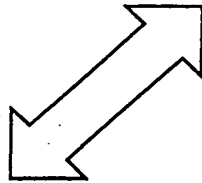
Time: 11:30

(D_{usage}/T_{usage})

284

Matching Algorithm to compare:

(D_{usage}/T_{usage}) and (D_{sch}/T_{sch})



Schedule

282

ACTIVITY A _{sch}	DATE D _{sch}	TIME(S): T _{sch}		OTHER SCHEDULE ATTRIBUTES		
		Start-Time: T _{sch1}	End-Time: T _{sch2}	LOCATION	PARTICIPANTS	ETC.
Heinz Acquisition Meeting	Monday, Sept 11, 2000	8:00	10:30	Pittsburgh	Jack Welsh	
Project Sell Meeting	Wednesday, Nov 8, 2000	9:30	11:30	New York	John Devers	
Lunch with Anne Miller	Thursday, Nov 16, 2000	12:00	13:00	New York	Anne Miller	



Matched: NO

"Where would you like to file/save 'File_Name.doc?'"



Cancel: [no action]

<User>: Save "File_Name.doc" in the "Miscellaneous Notes" folder,
under the "Activities folder"

284

Fig. 15

152

154

155

156

157

158

159

160

151

153

161

Save As

Save in:

rls

intellectual property

Patent Appl v2.doc

Favorites

My Documents

History

Show Attribute Data

Meeting Name: rls Patent Review

Meeting Location: Boston, MA

Meeting Participants: Richard Gregory

Participant Contact: Melissa Beads

Participant Contact: Wolf Greenfield & S...

Participant Contact: Wolf Greenfield & S...

Custom Field:

Key Word1: Patent Application

Key Word2: Provisional

Clear All

File Name: / user interface protection—Meeting Notes

Save as Type: Text Document

163

Fig. 16

Save As

Save in:

rls

intellectual property

Patent Appl v2.doc

Favorites

My Documents

History

☐ Show Attribute Data

File Name:

user interface protection—Meeting Notes

Save as Type:

Text Document